

10/0801/23

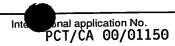
PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	(FOT Attack To and	The laterational Search Report					
Applicant's or agent's file reference	FOR FURTHER see Notification of (Form PCT/ISA/2) ACTION	f Transmittal of International Search Report 20) as well as, where applicable, item 5 below.					
DH/12287.35	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)					
nternational application No.		28/09/1999					
PCT/CA 00/01150	28/09/2000 28/09/1999						
Applicant							
	T) THC of all						
INFECTIO DIAGNOSTIC (I.D.I.) INC. et al.							
This International Search Report has bee according to Article 18. A copy is being tr	on prepared by this International Searching Aut ansmitted to the International Bureau.	nority and is transmitted to the applicant					
This International Search Report consists It is also accompanied b	s of a total of sheets. y a copy of each prior art document cited in this	s report.					
language in which it was filed, u	e international search was carried out on the ba nless otherwise indicated under this item.						
the international search Authority (Rule 23.1(b))	was carried out on the basis of a translation of	the international application turnished to this					
s abitoplant und a seu musicotida s	and/or amino acid sequence disclosed in the i	international application, the international search					
ind out on the Dasis OI I	tional application in written form.						
X contained in the interna	ternational application in computer readable fo	rm.					
Illed together was a series a	to this Authority in written form.						
	An thic Authority in computer readble form.						
the statement that the s	subsequently furnished written sequence listing	does not go beyond the disclosure in the					
the statement that the subsequently distributed international application as filed has been furnished. X the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished							
2. X Certain claims were f	ound unsearchable (See Box I).						
3. X Unity of invention is	acking (see Box II).						
4. With regard to the title,	_						
the text is approved as	submitted by the applicant.						
T the text has been esta	blished by this Authority to read as follows:	DROBES AND DRIMERS FOR					
HIGHLY CONSERVED GEN DETECTION OF MICRO	DISTREED BY WIS ACTUONLY OF THE PROPERTY OF TH	E PROBES AND TRIMBAG TO					
5. With regard to the abstract,							
the text is approved a the text has been estruithed within one month from	Time date of maining of the internation	nority as it appears in Box III. The applicant may, report, submit comments to this Authority.					
6. The figure of the drawings to be	published with the abstract is Figure No.	None of the figures.					
as suggested by the	applicant.	[Notice of the lightest.					
because the applicar	it failed to suggest a figure.						
because this figure b	etter characterizes the invention.						





Box I Observations where certain claims wer found uns archable (C ntinuation f it m 1 of first sh et)					
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:					
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:					
2. X Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: see FURTHER INFORMATION sheet PCT/ISA/210					
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).					
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)					
This International Searching Authority found multiple inventions in this international application, as follows:					
see additional sheet					
 As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. 					
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:					
4. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-44 (all partially)					
Remark n Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.					

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

The present application relates to nucleic acids that can be used in the detection of microorganisms, the provision and use of said nucleic acids and products that are derived from the nucleic acids.

In view of the extraordinary amount of combinations of sequences in the claims, which render the regrouping of sequences almost impossible, in view of the large number of sequences claimed, and in view of the wording of the claims presently on file, which render it difficult, if not impossible, to determine the matter for which protection is sought, the present application fails to comply with the clarity and conciseness requirements of Article 6 PCT (see also Rule 6.1(a) PCT) to such an extent that a meaningful search for the claims as they stand is impossible.

Additionally, present claims 1-44 relate to an extremely large number of possible compositions, nucleic acids, and combinations of nucleic acids. Present claims4,5,8-10,22-31,33-43 relate to products defined by reference to a desirable characteristic or property, namely being obtainable by a method or being capable of hybridizing to a certain nucleic acid.

The claims cover all products having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such products. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the products by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible.

Notwithstanding the aforementioned, a search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely nucleic acid sequence Seq. ID. No. 543 (see non-unity ISA form 206), methods relating to said sequence, the use of the sequence and the products derived from or defined by the sequence.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-44 (all partially)

Invention 1:

Nucleic acid molecule with Sequence ID No 543, methods for the provision of the nucleic acid, methods using the nucleic acid, use of the nucleic acid, compositions and sets containing the nucleic acid, and products derived from or defined by the nucleic acid.

2. Claims: 1-44 (all partially)

Invention 2-2297:

Nucleic acid molecule with Sequence ID No n, wherein n is chosen among 1-543 and 545-2297, methods for the provision of the nucleic acid, methods using the nucleic acid, use of the nucleic acid, compositions and sets containing the nucleic acid, and products derived from or defined by the nucleic acid.





A. CLASSIFI IPC 7	CATION OF SUBJECT MATTER C12Q1/68 C07K14/00 C12N15/63	C12N05/10						
According to International Patent Classification (IPC) or to both national classification and IPC								
- =====================================	FARCHER							
B. FIELDS S	mentage (classification system followed by classification system)	ymbols)	,					
IPC 7	C12Q							
S antati	on searched other than minimum documentation to the extent that such	documents are included in the fields sea	rched					
Electronic da	ta base consulted during the international search (name of data base a	nd, where practical, search terms essey						
EPO-Internal, WPI Data, PAJ, SEQUENCE SEARCH, EMBL								
C. DOCUME	NTS CONSIDERED TO BE RELEVANT		Relevant to claim No.					
Category °	Citation of document, with indication, where appropriate, of the releva	nt passages	nelevant to claim 110.					
х	WO 99 24059 A (MASSACHUSETTS INST TECHNOLOGY ;AIRD WILLIAM C (US); EDELBERG JAY M) 20 May 1999 (1999-05-20) page 26, line 12		24					
х	WO 98 20157 A (BERGERON MICHEL G DIAGNOSTIC INC (CA); PICARD FRANCO 14 May 1998 (1998-05-14) the whole document	24						
Fur	ther documents are listed in the continuation of box C.	X Patent family members are listed	l in annex.					
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "E" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family 								
Date of th	Date of the actual completion of the international section							
Authorized efficier								
Name an	d mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Eart (+31-70) 340-3016	REUTER, U						

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internal Application No
PCT/CA 00/01150

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 9924059	Α	20-05-1999	AU WO	1454199 A 9924059 A1	31-05-1999 20-05-1999
WO 9820157	Α	14-05-1998	US AU AU BR WO CN EP JP	5994066 A 731850 B2 4859897 A 9713494 A 9820157 A2 1248295 A 0943009 A2 2001504330 T 991976 A	30-11-1999 05-04-2001 29-05-1998 29-02-2000 14-05-1998 22-03-2000 22-09-1999 03-04-2001 02-07-1999